INSULATED CORE STUD FOR ROTOR AND STATOR LAMINATIONS

ABSTRACT

An insulated core stud for use in the core structure of at least one of a stator and a rotor of a dynamoelectric machine is adapted to pass through holes contained in laminations of the core structure. The insulated core stud has a central portion and a first layer of heat shrinkable tubular insulation shrunk fit onto and covering at least the central portion of the core stud that passes through the laminations. One or more additional layers of heat shrinkable tubular insulation are shrunk fit onto at least a portion of the first layer of insulation that passes through the laminations. These second layers provide mechanically protection to the underlying layers of insulation against breaks occurring in the electrical insulation when the laminations and core studs are assembled into the core structure.